

SQ-3012
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RUTHERFORD 01 8km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 50°17'7.14"
Longitude -122°58'14.6"

Site Status Active

Insp. Status Inspect

Crossing Name Tributary to Rutherford Creek

FSR # 5673 Branch # 1

Road Name RUTHERFORD 01

User km 8

Previous Load
Rating (tonnes) 136

Structure Class Permanent Bridge

Portable N

Superstructure Steel I-beam

Deck Type Concrete Composite

Abutment Left Concrete Lock Blocks

Abutment Right Concrete Lock Blocks

Spans 1

Total Length (m) 17.7

Deck Width (m) 4.9

Updated Data

Latitude 0°0'0"
Longitude 0°0'0"

HD Diff. (m) 5597735.9 Accuracy (m)

Inspection

Date of Inspection 2022-09-28 4:35:50 PM

Inspector Name Forrest Simpson

Recommended Next Inspection 2025

Inspection Company MoF

Inspector Comments Serial/ID Plate

Evidence of debris hitting upstream girder. Bottom flange bent in two places.

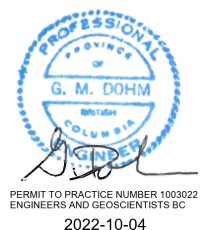
P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., Oct. 3, 2022

Load Rating: L150 or 136 tonnes

Next Inspection: 2023

Comments: replace curb rails and brush approaches prior to industrial use as noted.



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment Fair

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required Y

Delineator Missing
Left ☐ 0 ☐ 1 ☒ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair Old logs.

Posted Load Rating None

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good

Caps or Sills

Piles or Posts Good

Ballast Wall Fair Damage to top, both abuts

Wing Wall

Bracing Good

Hardware Good

Fill Good

Riprap Good

Bearings Good

Corrosion Protection Good

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Deck

Running Surface **Good**

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck **Fair** Significant surface wear . Ballast wall damag/ wear

Grout Pockets **Unrated** Covered in fill

Deck Joints **Good**

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts **Poor** All but three section are rotten and need replaced.

Hand Rails/Walkouts

Hardware **Fair** Loose rails

Overall Deck Condition **Poor** Due to rails

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good

Diaphragms Good

Bracing Good

Under Trussing

Hardware Good

Welded/grouted
shear connectors

Log

Log Curbs

Needle Beam

Needle Lashing/
Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer
Number

Species

Peeled

Diameter
(mm)

Rot Depth
(mm)

Condition

Comment

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Hazards

Estimated Present Water Level Depth (m) 0.2 High Water ☐ Debris ☐
Estimated Present Water Level Width (m) 3 Aggradation ☐ Scour ☐
Estimated High Water Level Clearance 2 Ic ☐

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Structure. Full Curb Replacement. . Priority:High	Replace all rails and risers (except three sections look new

2 Approach. Area/sight line brushing. m². Priority:Low

3

4

5

6

7

Item	Monitor Description	Frequency
1		
2		
3		



Approach from Left Bank when facing downstream



Deck



Guard Rail



Guard Rail



Deck



Approach from Right Bank when facing downstream



Upstream Profile



Superstructure, damage from debris



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Upstream from Crossing



Left Bank Abutment when facing downstream



Superstructure



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Structure ID